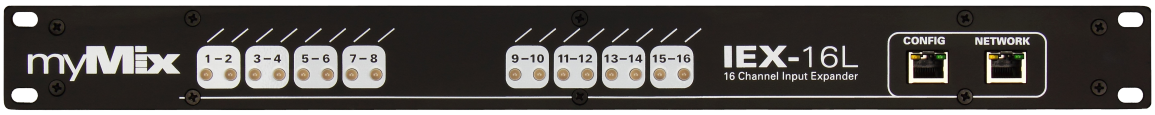
IEX-16L

16 Channel Line Input Expander for myMix System



- **16 Balanced Line Level Inputs on two DB25 Connectors**
- **Adds 16 Channels to *myMix* System in a 1U, 19-inch package**
- **Independent Audio Channel Selection on every myMix unit**
- **Convenient Signal Feed from a Mixing Console or External Microphone Pre-Amps**
- **Individual Digital Gain Adjustment (0dB, +6dB, +12dB) per Input Channel**
- **Can be combined with other *myMix* Input and Output devices**
- **Configuration of IEX-16L from any *myMix* in the network or through the dedicated Configuration Port**
- **Works with 100MBps Fast Ethernet Switches**
- **Allows the Use of multiple IEX-16L with unlimited Audio Channels on Network***
- **Ethernet AVB ready (IEEE1722 protocol)**

The IEX-16L is a 16-channel input expander for the myMix system. Equipped with two DB25 connectors, it allows the connection of up to 16 balanced line-level signals that can be fed from devices such as mixing consoles or external microphone pre-amps. IEX-16L and a single myMix unit can be connected without the need for a switch.

The IEX-16L can be configured through any myMix device on the network, including input channel naming and stereo linking. IEX-16L inputs are available as named channels for every myMix in the network. Unused inputs can be disabled. The local inputs on myMix units can be used in combination with the signals of any number of IEX-16L. If the total channel count is 16 (= 8 multicast pairs) or less a standard 100Mbs non-managed switch can be used. Each myMix can control a maximum of 16 channels by selecting 8 multicast pairs from available network channels, allowing the ability to tailor the unit to the specific needs of each user. These pairs can be two dual mono, or one stereo signal. A network operating more than 16 audio channels (8 multicast pairs) requires a switch that has IGMP snooping capabilities.

**The total number of audio channels on the network is dependent upon the capacity of the switch. Input signals are streamed in pairs as multicast packets. A typical value is 256 multicast groups, which would allow 512 audio channels on the network.*

System Integration

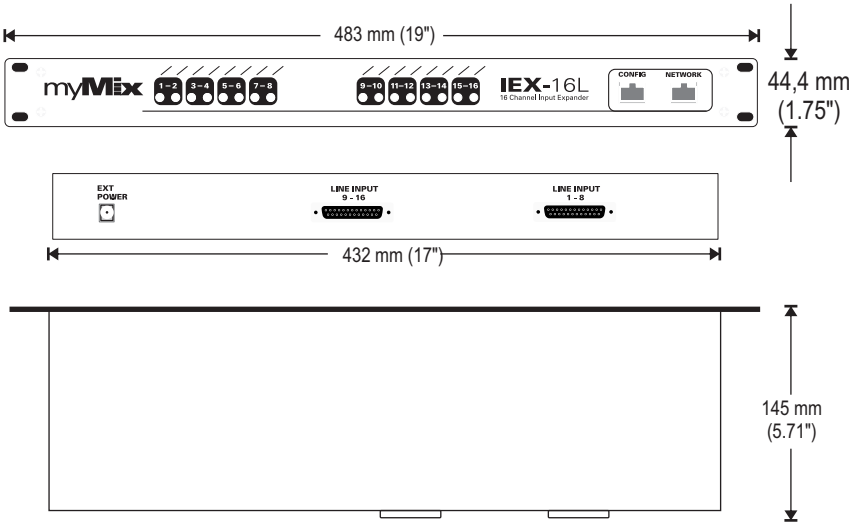
Optional local inputs on any myMix device
myMix connected to the configuration port (no audio)
Individual line level signals, from external pre amps or mixing console : channel direct outputs and/or submixes.
SWITCH

myMix and IEX-16L are connected to an Fast Ethernet switch. Inputs are fed to the system via IEX-16L and/or via the local inputs on myMix. For more than 16 audio channels on the network a managed switch with IGMP Snooping capabilities is required.

IEX-16L

16-Channel Line Input Expander for myMix Systems

DIMENSIONS



PINOUT DB25

	Ch1	Ch2	Ch3	Ch4	Ch5	Ch6	Ch7	Ch8
Hot	24	10	21	7	18	4	15	1
Cold	12	23	9	20	6	17	3	14
Grd	25	11	22	8	19	5	16	2

Channels 9 to 16 follow the same scheme. Compatible with many third party audio snakes..

SPECIFICATIONS

Inputs	16
Input Impedance	20 kΩ, balanced
Maximum Input Level	+ 20 dBu
Input Gain Adjustment (digital)	0dB, +6dB, +12dB
Frequency Response	20Hz - 20 kHz (-1dB)
Signal to Noise Ratio	> 104dB
THD+N	< 0,022%
Network	
Network Type	100MBps Fast Ethernet
Network Cabling	CAT5/CAT5e
Network Connection	2 RJ45, (1 network, 1 myMix)
Network Switch for 16ch max.	unmanaged 100BASE-TX, Full-Duplex
Network Switch for > 16ch	managed 100BASE-TX, IGMP snooping (v2)
Audio Channel Limit on Network	max of mulicast groups handeled by the switch x 2
AD/DA Conversion	24-bit, 48kHz
Input Connectors	DB25 (8 channels) standard pin out
Dimensions (W x H x D)	483 x 44 x 146 mm (19" x 1.75" x 5.")
Net weight	2,7 kg (6 lbs)
Accessories	external PSU for IEX-16L, 100V to 240V (50/60Hz)

E & OE. All specifications subject to change without prior notice.

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